

Converting Colors

CIELCh(93, 100.511, 118.805)

Have a look what the booklet for
CIELCh(93, 100.511, 118.805)
contains.

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Color

CIELCh(93, 100.019, 118.559)

Conversions

Conversions Part 1

Format	Color
Hex	BDFE14
RGB	189, 255, 20
RGB Percent	74%, 100%, 8%
CMY	0.2590, 0.0000, 0.9232
CMYK	0.26, 0.00, 0.92, 0.00
HSL	77°, 100%, 54%
HSV	77°, 92%, 100%
XYZ	57.1483, 82.9670, 13.6438
YIQ	208.4760, 36.0990, -87.0770

Conversions

Conversions Part 2

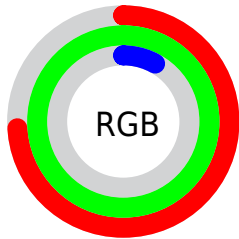
Format	Color
R _Y B	20, 255, 86
Decimal	12451604
CIE Lab	93.00, -47.82, 87.85
CIE LCh	93, 100.019, 118.559
Yxy	82.9670, 0.3717, 0.5396
Android (android.graphics.Color)	4290641684 (0xFFBDFF14)
YUV	208.4760, -92.9187, -17.0805
Hunter-Lab	91.0862, -47.4085, 54.8793

Details

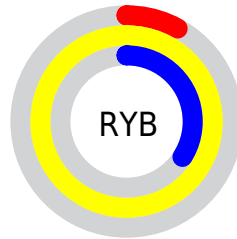
The CIELCh color **93, 100.019, 118.559** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed chartreuse. A complement of this color would be **37, 126.432, 308.076**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 74.472, 106.070**, and **73, 85.827, 122.212** is the 20% darker color. If you saturate the color by 10%, you get **92, 101.788, 119.202**, and if you desaturate by 10%, it is **93, 94.813, 117.766**.

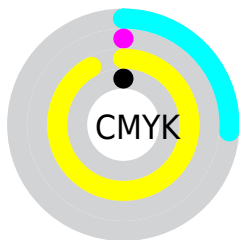
Distribution



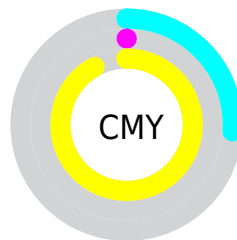
- Red (74%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (34%)



- Cyan (26%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 100.019, 118.559 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 93, 100.019, 118.559 by changing the saturation by 10% instead.


 93, 100.019,
118.559


 93, 100.019,
118.559


 100, 100.019,
118.559


 83, 100.019,
118.559


 73, 100.019,
118.559

 63, 100.019,
118.559

 53, 100.019,
118.559

 43, 100.019,
118.559

 33, 100.019,
118.559

 23, 100.019,

118.559

■ 13, 100.019,
118.559

■ 3, 100.019,
118.559

■ 93, 100.019,
118.559

■ 93, 100.019,
118.559

■ 92, 101.788,
119.202

■ 93, 94.813,
117.766

■ 94, 87.390,
117.553

■ 94, 77.872,
117.682

■ 95, 66.868,
118.041

■ 96, 54.890,
118.541

■ 97, 42.309,
119.117

■ 98, 29.374,
119.725

■ 99, 16.251,
120.339

■ 100, 3.051,
120.951

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



93, 100.019, 118.559



37, 126.432, 308.076

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 100.019, 118.559



93, 100.019, 168.559



93, 100.019, 298.559



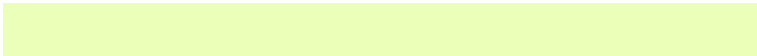
93, 100.019, 348.559

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



93, 99.653, 118.421



97, 36.756, 119.377



59, 91.231, 46.124



51, 25.306, 119.117



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 99.653, 118.421



92, 101.788, 119.202



88, 114.542, 133.995



53, 7.501, 120.510



71, 81.866, 118.960



24, 36.801, 117.644

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37, 126.432, 308.076



35, 130.576, 307.916



52, 116.273, 319.837



49, 7.649, 301.657



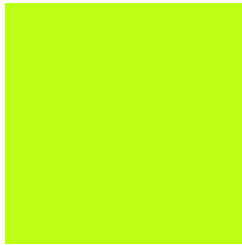
25, 104.961, 308.062



4, 44.717, 307.260

Previews

White Background



This preview shows how the CIE LCh color 93, 100.019, 118.559 looks on a white background.

Color Contrast Check

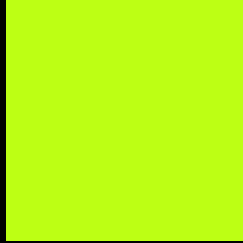
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 93, 100.019, 118.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 100.019, 118.559

Background



This preview shows how black text looks on a background with the CIELCh color 93, 100.019, 118.559.



This preview shows how white text looks on a background with the CIELCh color 93, 100.019, 118.559.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
93, 99.603, 118.419

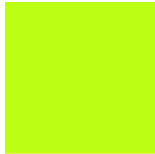
Protanopia
92, 52.111, 96.475

Deuteranopia
92, 19.740, 78.537

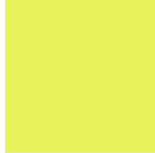


Tritanopia
93, 12.107, 249.465

Trichromacy



Original Color
93, 99.603, 118.419



Protanomaly
92, 72.700, 108.004

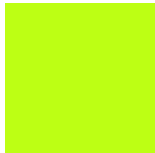


Deuteranomaly
92, 53.152, 108.948

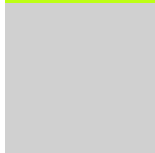


Tritanomaly
92, 41.093, 128.801

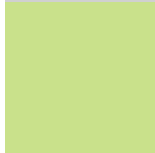
Monochromacy



Original Color
93, 99.603, 118.419



Achromatopsia
83, 0.010, 296.813



Achromatomaly
86, 44.986, 118.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 100.019, 118.559 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(189, 255, 20)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 20)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(189, 255, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 100.019, 118.559 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 255, 20) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(189, 255, 20) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(189, 255, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 20);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 100.019, 118.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 20) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(189,  
255, 20) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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